

INTERNATIONAL SEARCH REPORT

International Application No
PCT/RU 03/00554A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B21D47/00 B21D13/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B21D B32B E04C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 068 633 A (JAPAN RES DEV CORP) 5 January 1983 (1983-01-05) figures 1,2,4a,4b -----	1-3
A	US 3 698 879 A (LUCIEN VICTOR GEWISS) 17 October 1972 (1972-10-17) figures 1,2 -----	1-3
A	US 5 008 140 A (SCHMERTZ JOHN C) 16 April 1991 (1991-04-16) figure 4 -----	1-3

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

- *&* document member of the same patent family

Date of the actual completion of the International search

23 September 2004

Date of mailing of the International search report

01/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl
Fax (+31-70) 340-3016

Authorized officer

Vinci, V

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT
Information on patent family members

Int'l Application No
PCT/RU 03/00554

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 0068633	A	05-01-1983	JP EP	57209725 A 0068633 A2		23-12-1982 05-01-1983
US 3698879	A	17-10-1972	DE	1212832 B		17-03-1966
US 5008140	A	16-04-1991	EP JP	0400424 A1 3028575 A		05-12-1990 06-02-1991

Form PCT/ISA/210 (patent family annex) (January 2004)

RECEIVED AVAILABLE COPY